

Title (en)  
Use of an amine and/or a quaternary ammonium compound for protecting colour of artificially coloured hair with respect to the washing and process therefore

Title (de)  
Verwendung eines Amins und/oder einer quartären Ammoniumverbindung zum Schützen der Farbe von künstlich gefärbtem Haar hinsichtlich der Haarwäsche und Vorgehensweise dafür

Title (fr)  
Utilisation d'un amine et/ou composé d'ammonium quaternaire pour protéger la couleur de cheveux colorés artificiellement durant le lavage et procédé associé

Publication  
**EP 2382962 A1 20111102 (EN)**

Application  
**EP 10004514 A 20100429**

Priority  
EP 10004514 A 20100429

Abstract (en)  
Use of an amine or quaternary ammonium compound according to general structure #####R 1 -A-R 2 -B wherein R 1 is a saturated or unsaturated, straight or branched alkyl group with 8 to 24 C atoms, R 2 is a straight or branched alkyl group with 1 to 4 C atoms, A is or and B is or wherein R 3 and R 4 are independently H, or an alkyl with 1 to 4 C atoms, hydroxyl alkyl with 1 to 4 C atoms or di hydroxyl alkyl with 2 to 4 C atoms. R 5 , and R 6 are independently, an alkyl with 1 to 4 C atoms, hydroxyl alkyl with 1 to 4 C atoms or di hydroxyl alkyl with 2 to 4 C atoms, and R 7 is an alkyl with 1 to 4 C atoms, hydroxyl alkyl with 1 to 4 C atoms, di hydroxyl alkyl with 2 to 4 C atoms or wherein R 1 , A and R 2 have the above meaning and X is an anion such as chloride, bromide, and methosulfate, for protecting colour of artificially coloured hair with respect to washing. A preferred compound is steaorypropyldimethylamine. A composition comprising such an amine or quaternary ammonium compound may be applied to hair immediatly after rinsing of a colouring composition. A kit for protecting the colour of artificially coloured hair with respect to washing comprises a separately packed composition comprising such an amine or quaternary ammonium compound.

IPC 8 full level  
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CPC (source: EP US)  
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**A61K 2800/884** (2013.01 - EP US)

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• [XY] SUBIRATS N ET AL: "Shampoo for dyed hair: effect of surfactants and additives on colour fading due to washing process and UV light exposure", COMUNICACIONES PRESENTADAS A LAS JORNADAS DE COMITE ESPAGNOLDE LA DETERGENCIA, BARCELONA, ES, vol. 38, 1 January 2008 (2008-01-01), pages 67 - 78, XP009121479, ISSN: 0212-7466

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**EP 10004514 A 20100429**; AU 2011246613 A 20110419; EP 11717214 A 20110419; EP 2011056263 W 20110419; US 201113636504 A 20110419